

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A panel radiator, comprising:

an oblong radiation panel body; and

an oblong steam generation unit that has a length shorter than a length of said radiation panel body and that is located on a lower part of said radiation panel body, said steam generation unit having a combustion unit and a heat exchange unit, said combustion unit adapted to directly heat a liquid working fluid;

left and right steam introduction pipes on an upper end of said steam generation unit respectively coupled with a lower end of left and right steam introduction headers of said radiation panel body, and
a heat pipe constituted by the steam generation unit and panel body upon depressurization.

Claims 2-8 (canceled).

Claim 9 (previously presented): A panel radiator according to claim 1, wherein one of said left and right steam introduction headers opens into a lower end of said radiation panel body, and the other opens into an upper end of said radiation panel body.

Claim 10 (previously presented): A panel radiator according to claim 9, wherein said radiation panel body includes a plurality of tubular panel plates in communication at both ends.

Claim 11 (previously presented): A panel radiator according to claim 10, wherein said radiation panel body includes a pair of front and back panel plates.

Claim 12 (previously presented): A panel radiator according to claim 11, wherein a radiation fin is provided between said pair of front and back panel plates.

Claim 13 (previously presented): A panel radiator according to claim 12, wherein a radiation fin is provided on the front and back of said panel plates.

Claim 14 (previously presented): A panel radiator according to claim 13, wherein said steam generation unit is rectangular and said combustion unit is provided at one end of the rectangular steam generation unit to permit a pressure difference to be formed in said steam generation unit based on a thermal gradient.

Claim 15 (previously presented): A panel radiator according to claim 1, wherein said radiation panel body includes a plurality of tubular panel plates in communication at both ends.

Claim 16 (previously presented): A panel radiator according to claim 15, wherein a radiation fin is provided on the front and back of said panel plates.

Claim 17 (previously presented): A panel radiator according to claim 15, wherein said radiation panel body includes a pair of front and back panel plates.

Claim 18 (previously presented): A panel radiator according to claim 17, wherein a radiation fin is provided on the front and back of said panel plates.

Claim 19 (previously presented): A panel radiator according to claim 18, wherein said steam generation unit is rectangular and said combustion unit is provided at one end of the rectangular steam generation unit to permit a pressure difference to be formed in said steam generation unit based on a thermal gradient.

Claim 20 (previously presented): A panel radiator according to claim 1, wherein said radiation panel body includes a pair of front and back panel plates.

Claim 21 (previously presented): A panel radiator according to claim 20, wherein a radiation fin is provided between said pair of front and back panel plates.

Claim 22 (previously presented): A panel radiator according to claim 21, wherein said steam generation unit is rectangular and said combustion unit is provided at one end of the rectangular steam generation unit to permit a pressure difference to be formed in said steam generation unit based on a thermal gradient.

Claim 23 (previously presented): A panel radiator according to claim 1, wherein said steam generation unit is rectangular and said combustion unit is provided at one end of the rectangular steam generation unit to permit a pressure difference to be formed in said steam generation unit based on a thermal gradient.